(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



. 1 CONTROL OF THE C

(43) International Publication Date 17 June 2004 (17.06.2004)

PCT

(10) International Publication Number WO 2004/050212 A1

(51) International Patent Classification⁷: 29/54, 29/90

B01D 29/11,

(21) International Application Number:

PCT/NL2003/000717

(22) International Filing Date: 23 October 2003 (23.10.2003)

(25) Filing Language:

Dutch

(26) Publication Language:

English

(30) Priority Data:

1021728

23 October 2002 (23.10.2002) N

(71) Applicant (for all designated States except US): INDUFIL B.V. [NL/NL]; Nieuwgraaf 79, NL-6921 RK Duiven (NL).

(72) Inventors; and

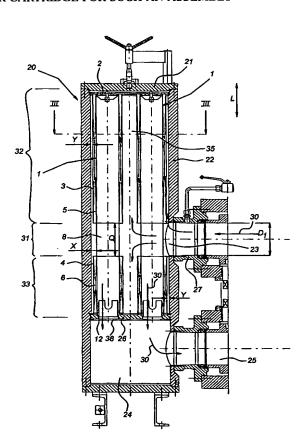
(75) Inventors/Applicants (for US only): PAS, Peter, Alexander [NL/NL]; Veldweg 1, NL-7044 AE Lengel (NL).

GRETER, Fred [NL/NL]; Beukelaan 22, NL-6862 HV Oosterbeek (NL).

- (74) Agent: VAN WESTENBRUGGE, Andries; Nederlandsch Octrooibureau, Scheveningseweg 82, P.O. Box 29720, NL-2502 LS The Hague (NL).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,

[Continued on next page]

(54) Title: ASSEMBLY COMPRISING A FILTER HOUSING AND AT LEAST ONE FILTER CARTRIDGE AS WELL AS A FILTER CARTRIDGE FOR SUCH AN ASSEMBLY



(57) Abstract: The invention relates to an assembly comprising a filter housing and at least one filter cartridge. The at least one filter cartridge is tubular, comprises a tube wall provided with filter means and comprises a central discharge channel with a discharge connection for discharge of filtered The tube wall comprises filter means through which the medium to be filtered is able to flow transversely to the tube wall. The filter housing comprises a filter chamber, surrounded by a sidewall, in which the at least one filter cartridge is accommodated with the longitudinal direction parallel to the sidewall. The filter chamber has at least one outlet per filter cartridge to which the discharge connection of the respective filter cartridge is connected. The sidewall of the filter chamber is provided with at least one inlet for feeding in the medium to be filtered. The inlet opens into the filter chamber at a level that is traversed by the at least one filter cartridge. Viewed in the transverse direction of the filter cartridge and at the level of the inlet, the shortest distance from the filter cartridge to the side wall is greater than the shortest distance from the filter cartridge to the side wall viewed in the transverse direction of the filter cartridge and below or above the inlet. The invention furthermore relates to a filter cartridge intended for an assembly according to the invention.

